

LOW VOLTAGE LITHIUM BATTERY MODULE

GBP-L1 Model Series Rack Type Lithium Iron Phosphate Battery



Product introduction

This product is composed of high-quality lithium iron phosphate cells (by series and parallel) and advanced BMS management system. It can be used as an independent DC power supply or as a "basic unit" to form a variety of energy storage lithium battery power systems. High reliability and longer life. It can be used as backup power supply of communication base station, backup power supply of digital center, household energy storage power supply, industrial energy storage power supply, etc. It can be seamlessly connected with main equipment such as UPS and photovoltaic power generation.

Performance characteristics

- Small size and light weight
- Maintenance-free
- Standard cycle life is more than 5000 times
- Accurately estimate the state of charge of the battery pack, that is, the remaining power of the battery, to ensure that the power of the battery pack is maintained within a reasonable range
- Multiple in parallel, easy for expand
- Easy for installation and maintenance

Technical parameters

Model	GBP24V-200AH	GBP48V-100AH-R (Voltage Optional 51.2V)	GBP48V-200AH-R (Voltage Optional 51.2V)
Nominal Voltage (V)	24	48	
Nominal capacity (AH)	210	105	210
Nominal energy capacity (KWH)	5.3	5.3	10
Operating voltage range	22.4-30	42-56.25	
Recommended charging voltage (V)	27.6	51.75	
Recommended discharge cut-off voltage (V)	24	45	
Standard charging current (A)	50	25	50
(A)Maximum continuous charging current (A)	100	50	100
Standard discharge current (A)	50	25	50
Maximum discharge current (A)	100	50	100
Applicable temperature (°C)	-30°C ~ 60°C (Recommended 10°C ~ 35°C)		
allowable humidity range	0 ~ 95% no condensation		
Storage temperature (°C)	-20°C ~ 65°C (Recommended 10°C ~ 35°C)		
Protection level	IP20		
cooling method	natural air cooling		
Life cycles	5000+ times at 80% DOD		
Maximum size (W*D*H)mm	545*600*156	545*540*156	465*682*252
Weight	50KG	50KG	90KG

Remarks: The above data are for reference only and are subject to change without prior notice. Special voltage can be customized.